



Attorney's Docket No.: 14952.0273 D1 / MIT 7772 DIV

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Moungi G. Bawendi *et al.*

Art Unit: : 1641

Serial No. : 09/832,959

Examiner : Christopher L. Chin

Filed : April 12, 2001

Title : BIOLOGICAL APPLICATIONS OF QUANTUM DOTS

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), Massachusetts Institute of Technology, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

An assignment from the inventors of a priority application of the patent application identified above, recorded at the Patent and Trademark Office on October 25, 1999 at reel/frame 010328/0390. A copy of the recorded assignment is enclosed for your reference.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Harold H. Fox	Reg. No. 41,498
Stuart T.F. Huang	Reg. No. 34,184
D. Douglas Price	Reg. No. 24,514
Charles F. Schill	Reg. No. 27,590
Scott D. Watkins	Reg. No. 36,715

of: STEPTOE & JOHNSON LLP  
1330 Connecticut Avenue, NW  
Washington, DC 20036

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

Applicant : Bawendi et al.  
Serial No. : 09/832,959  
Filed : April 12, 2001  
Page : 2 of 2

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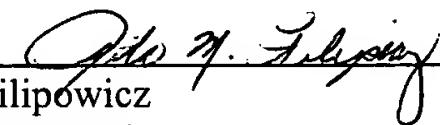
All correspondence regarding the application should be sent to:

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date: 4/13/04

  
\_\_\_\_\_  
Rita Filipowicz  
Patent Administrator  
Massachusetts Institute of Technology

Steptoe & Johnson LLP  
1330 Connecticut Avenue, NW  
Washington, DC 20036-1795  
Telephone: 202-429-3000  
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JANUARY 19, 2000

CHOATE, HALL & STEWART TRADEMARK OFFICE  
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53 STATE STREET, EXCHANGE PLACE  
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MAY 12 2004

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RECORDATION DATE: 10/25/1999

REEL/FRAME: 010328/0390  
NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BAWENDI, MOUNGI G.

DOC DATE: 01/26/1999

ASSIGNOR:

MIKULEC, FREDERICK V.

DOC DATE: 01/26/1999

ASSIGNOR:

SUNDAR, VIKRAM C.

DOC DATE: 01/26/1999

ASSIGNEE:

MASSACHUSETTS INSTITUTE OF  
TECHNOLOGY  
77 MASSACHUSETTS AVENUE  
CAMBRIDGE, MASSACHUSETTS 02142

SERIAL NUMBER: 09160454

FILING DATE: 09/24/1998  
ISSUE DATE:

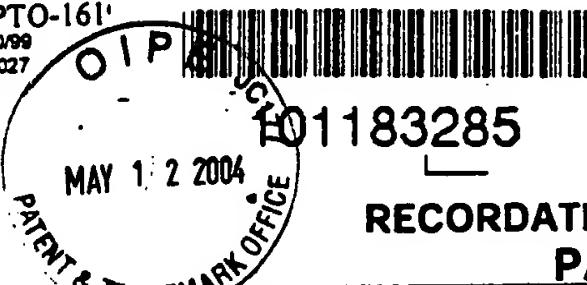
PATENT NUMBER:

010328/0390 PAGE 2

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
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MRD 10-25-99

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FORM PTO-161  
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**Conveying Party(ies)**

Mark if additional names of conveying parties attached Execution Date  
Month Day Year

Name (line 1)  Mounji G. Bawendi

1/26/99

Name (line 2)  Frederick V. MikulecExecution Date  
Month Day Year**Second Party**Name (line 1)  Vikram C. Sundar

1/26/99

Name (line 2) **Receiving Party**

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Name (line 1)  Massachusetts Institute of Technology

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Correspondent Name and Address      Area Code and Telephone Number **(617) 248-5000**

Name **Elizabeth E. Nugent**

Address (line 1) **Choate, Hall & Stewart**

Address (line 2) **53 State Street, Exchange Place**

Address (line 3) **Boston, MA 02109**

Address (line 4)

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**09/160,454**

PCT

PCT

PCT

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PCT

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Patent Number(s)

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Elizabeth E. Nugent

Name of Person Signing

Elizabeth E. Nugent, Reg. 43,859

Signature

10/19/99

Date

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231 on 10-22-99

Satish Dixit

## ASSIGNMENT

**WHEREAS**, We, Mounig G. Bawendi of Boston, Massachusetts; Frederick V. Mikulec of Somerville, Massachusetts; and Vikram C. Sundar of Somerville, Massachusetts having invented a certain improvement in a **BIOLOGICAL APPLICATIONS OF QUANTUM DOTS** for which We have made application for a United States Patent, said application filed on September 24, 1998, and having a United States Serial No. 09/160,454;

**WHEREAS**, Massachusetts Institute of Technology a non-profit educational institution having offices at 77 Massachusetts Avenue, Cambridge, MA 02142 and its successors and assigns (collectively hereinafter called "the Assignee"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, I do hereby sell assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive right, title and interest in and to said invention and in and to said Applications and all patents which may granted therefore, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said Applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or to its successors, assigns and legal representative, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I hereto set my hand and seal at Cambridge,  
MA this 26 day of Jan., 1998.

My Obsr  
Moungi G. Bawendi

STATE OF Mass. ss.

COUNTY OF Middlesex

Before me this 26th day of Jan., 1998, personally appeared Moungi G. Bawendi known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Maria Nargi  
NOTARY PUBLIC

My Commission Expires: 11/10/2000



IN WITNESS WHEREOF, I hereto set my hand and seal at CAMBRIDGE,  
MASSACHUSETTS this 26 day of JAN, 1998.

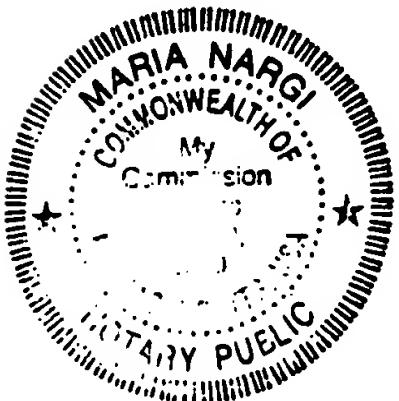
Frederick V. Mikulec  
Frederick V. Mikulec

STATE OF Mass ss.

COUNTY OF Middlesex

Before me this 26th day of Jan., 1998, personally appeared Frederick V. Mikulec known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Maria Nargi  
NOTARY PUBLIC  
Exp 11/10/2000



IN WITNESS WHEREOF, I hereto set my hand and seal at 1 am 1998  
Mass. this 26 day of January, 1998.

*Vikram C. Sundar*

STATE OF MASS. SS.

COUNTY OF Middlesex

Before me this 26th day of Jan, 1998, personally appeared  
Vikram C. Sundar known to me to be the person whose name is subscribed to the foregoing  
Assignment and acknowledged that he executed the same as his free act and deed for the purposes  
therein contained.

*Marcia Nargi*

NOTARY PUBLIC

My Commission Expires: 11/10/2008

